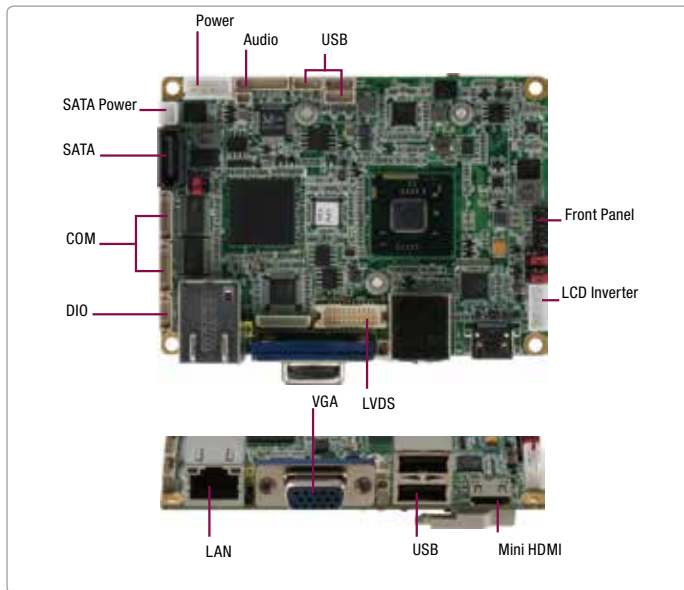


# PICO-CV01

Pico-ITX Fanless Board with HDMI and Intel® Atom™ N2600 Processor



## Features

- Intel® Atom™ N2600 Processor Up to 1.6 GHz
- 204-pin DDR3 800MHz SODIMM x 1, Up to 2 GB
- Gigabit Ethernet x 1, RJ-45 x 1
- Mini HDMI Support
- 18-bit Single Channel LVDS LCDs
- HD Audio for Line-in/out & Mic
- mSATA/ Mini Card (Half size) x 1, SATA 2 x 1
- USB2.0 x 5, COM x 2, 4-bit Digital I/O
- +12V Power Input

## Specifications

| System                      |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Form Factor                 | Pico-ITX Board                                                             |
| Processor                   | Intel® Atom™ N2600 Processor up to 1.6 GHz                                 |
| System Memory               | 204-pin DDR3 800MHz SODIMM x 1, up to 2 GB                                 |
| Chipset                     | Intel® Atom™ N2600 + NM10                                                  |
| I/O Chipset                 | Fintek F81801U-I                                                           |
| Ethernet                    | Realtek RTL8111E for 10/1000/1000Base-TX, RJ-45 x 1                        |
| BIOS                        | AMI-32Mb ROM                                                               |
| Wake On LAN                 | Yes                                                                        |
| Watchdog Timer              | 255 levels                                                                 |
| H/W Status Monitoring       | Vcore, +1.5V_DDR                                                           |
| Expansion Interface         | Mini Card/ mSATA (half size) x 1                                           |
| Battery                     | Lithium battery                                                            |
| Power Requirement           | +12V, AT/ATX (Default)                                                     |
| Power Consumption (Typical) | Intel® Atom™ N2600 1.6GHz, DDR3 800MHz 2GB<br>0.83A@+12V                   |
| Board Size                  | 3.94" (L) x 2.756" (W) (100mm x 72mm)                                      |
| Gross Weight                | 1.1 lb (0.5 Kg)                                                            |
| Operation Temperature       | 32 °F ~ 140 °F (0 °C ~ 60 °C)                                              |
| Storage Temperature         | -40 °F ~ 176 °F (-40 °C ~ 80 °C)                                           |
| Operation Humidity          | 0% ~ 90% relative humidity, non-condensing                                 |
| MTBF (Hours)                | 95,000                                                                     |
| Display                     |                                                                            |
| Chipset                     | Intel® Atom™ N2600 Processor                                               |
| Resolution                  | LVDS up to 1366 x 768 (18 bit) @ 60Hz; VGA & HDMI up to 1920 x 1200 @ 60Hz |
| LCD Interface               | 18-bit single channel LVDS with PWM function                               |
| I/O                         |                                                                            |
| Storage                     | SATA3.0 Gb/s x 1, mSATA x 1 (shared with Mini Card control by BIOS)        |
| Serial Port                 | RS-232 x 1, RS-232/422/485 x 1                                             |
| USB                         | USB 2.0 x 5                                                                |
| Digital I/O                 | 4-bit Digital I/O (Programmable, 2-in/2-out)                               |
| Audio                       | Audio Buzzer x 1, HD Audio Code (Realtek ALC662) for Line-in/out & Mic x 1 |



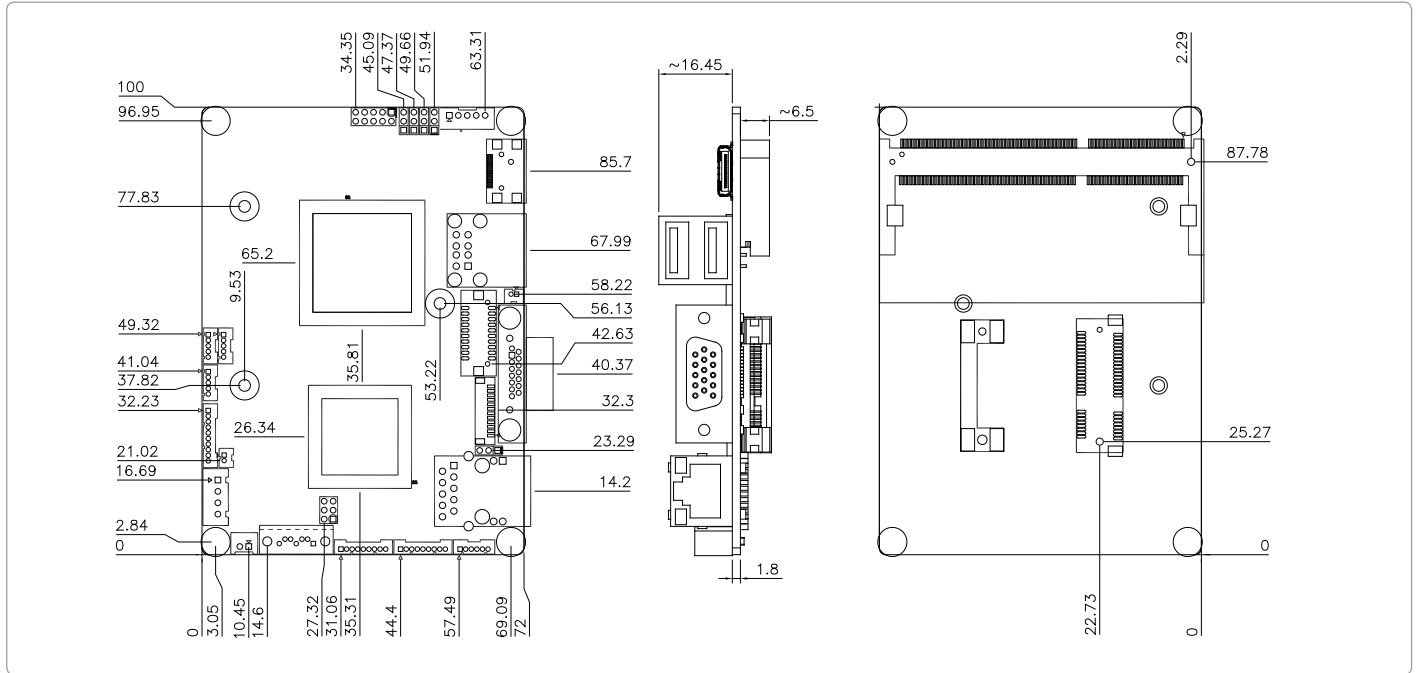
## Packing List

- 170204010S  
MB Power Cable
- 1709070500  
SATA data Cable
- 1702150155  
SATA Power Cable
- 9657666600  
Jumper Cap
- Product DVD
- PICO-CV01 w/Heatsink

# PICO-CV01

## Dimension

Unit: mm



## Ordering Information

| Part Number        | CPU                | RAM    | Fan/Fanless | Display                   | Storage                 | LVDS     | LAN     | USB | RS-232 | RS-232/422/485 | Expansion Slot                            | Power        | Temp.                     |
|--------------------|--------------------|--------|-------------|---------------------------|-------------------------|----------|---------|-----|--------|----------------|-------------------------------------------|--------------|---------------------------|
| PICO-CV01-A10-10   | Intel® Atom™ N2600 | SODIMM | Fanless     | CRT + LVDS,<br>CRT + HDMI | SATA2 x 1,<br>mSATA x 1 | 18b, 1CH | GbE x 1 | 5   | 1      | 1              | Mini Card x 1 or mSATA<br>(Half-size) x 1 | +12V, AT/ATX | 0°C – 60°C                |
| PICO-CV01W1-A10-10 | Intel® Atom™ N2600 | SODIMM | Fanless     | CRT + LVDS,<br>CRT + HDMI | SATA2 x 1,<br>mSATA x 1 | 18b, 1CH | GbE x 1 | 5   | 1      | 1              | Mini Card x 1 or mSATA<br>(Half-size) x 1 | +12V, AT/ATX | WITAS 1<br>(-20°C – 70°C) |

### Note:

Intel® Atom™ Processor D2000 series and N2000 series (CV) do NOT support DMA function that may affect ECP mode of Parallel port.

## Optional Accessories

- **1700050207**  
USB Cable, Length 20cm
- **1701090150**  
COM1 Cable, Length 15cm
- **1709100254**  
AUDIO Cable, Length 25cm
- **1701100156**  
Front Panel Cable, Length 15cm
- **1701090150**  
COM 2 Cable For RS-232, Length 15cm
- **170302010C**  
Buzzer Cable